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(54) **DENTAL PROSTHESIS MANUFACTURING PROCESS, DENTAL PROSTHESIS PATTERN & DENTAL PROSTHESIS MADE THEREBY**

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- (52) **U.S. Cl.** **700/118; 700/97; 700/182**
- (58) **Field of Search** 700/118, 119-120, 700/98, 182, 183, 169, 180, 195; 433/222.1, 24, 171-172, 214; 219/228; 264/401

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(57) **ABSTRACT**

A dental prosthesis is made by first forming a model of a patient's dentition. A three dimensional digital data corresponding to the surfaces of the model is then created. Based on this data, a three dimensional digital data file is then created substantially corresponding to the dental prosthesis to be manufactured. The three dimensional digital data of the dental prosthesis to be manufactured is next transmitted to automated prototyping equipment, and using the automated prototyping equipment, a wax pattern of the dental prosthesis is manufactured based upon this three dimensional digital data of the dental prosthesis. Finally, using this wax pattern in the lost wax investment casting process, the dental prosthesis is made. Prior to investment casting, marginal edges of the wax pattern are adjusted manually.

14 Claims, 3 Drawing Sheets

